

CLAIMS

1. A method for the interactive graphical presentation of multidimensional data to a user, comprising:

- a) providing accessible multidimensional database of dimension n containing data, said data being arranged and stored according to predetermined data attributes, said data attributes representing different the measures for each dimension;
- b) providing a data processing means coupled to said database, for extracting data from said database and for processing said extracted data for a predetermined presentation, said data processing means having a user interface for communicating with said user and a suitable display for displaying said presentation to said user;
- c) upon receiving a request for presentation from said user, extracting data being relevant to said request from the corresponding dimensions in said database and processing said relevant data by said processing means; and
- d) displaying said processed relevant data in two or more separate windows linked to each other, each window corresponding to a single dimension and containing comparative presentation of the data related to said single dimension, said comparative presentation in each window containing one or more visual parameter(s) used by said user as comparative measurement(s) of displayed data relative to other displayed data;

wherein each dimension comprises one or more members, and wherein each data point in said database is determined by the combination of individual members, or by values representing a combination or a transformation of a plurality of individual members with a dimension, each individual member value being selected from a different dimension.

2. A method according to claim 1, wherein the processing means is software.
3. A method according to claim 1, wherein the processing means is a circuitry.
4. A method according to claim 1, wherein the interface is a mouse and/or a keyboard, connected to a workstation.
5. A method according to claim 1, wherein one or more data points are calculated according to a predetermined mathematical function of at least one member selected from each dimension.
6. A method according to claim 1, wherein the visual parameters are colored bars, the length and/or color of each of which one being related to the length and/or color of all other bars in the window.
7. A method according to claim 6, wherein the length of each bar in a window is determined by calculating the lengths of all bars which correspond to said bar in all other windows, according to predefined mathematical functions of the length of all selected bars.
8. A method according to claim 6, wherein the color of each bar in a window is determined by calculating the color of all bars which correspond to said bar in all other windows, according to predefined mathematical functions of the color of all selected bars, over a predefined color scale.
9. A method according to claim 1, further comprising:
 - a) providing user-controllable visual selection means for one or more visual parameters, for displaying data dimensions relevant to one or more selected parameters;

b) upon selecting one or more visual parameter in a window, dissecting all other visual parameters in said window, and updating the presentation of data dimensions relevant only to said selected visual parameter(s).

10. A method according to claim 9, wherein the presentation of unselected members in a dimension is carried out by modifying the presentation of said unselected bar.

11. A method according to claim 10, wherein the modification is carried out by dimming or marking the unselected bar.

12. A method according to claim 10, wherein the modification is carried out by changing the font or the font characteristics of the member name or member designation.

13. A method for the interactive graphical presentation of multidimensional data to a user, essentially as described and illustrated.